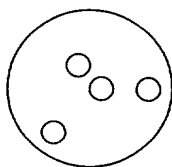


FIG. 16C

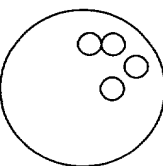
FIG. 17 is a schematic diagram of a microarray system. The diagram shows a grid of spots on a surface. The spots are arranged in a 4x4 grid. The spots are labeled with letters and numbers. The labels are: 348a, 348b, 348c, 348d, 346, 343a, 343b, 342a, 342b, 344a, 344b, 345a, 345b, 340, 300, 299, 346b. The spots are arranged in a grid. The spots are labeled with letters and numbers. The labels are: 348a, 348b, 348c, 348d, 346, 343a, 343b, 342a, 342b, 344a, 344b, 345a, 345b, 340, 300, 299, 346b.

REPORTER
LABELED
BEAD

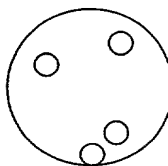
CGTA



UNBOUND



GTCA



OPTIONAL
REFERENCE
SIGNAL



BINDING
SIGNAL



REPORTER SIGNATURE

BLUE



GREEN



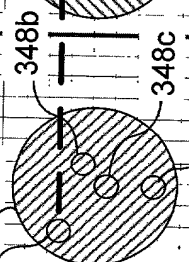
YELLOW



RED



346



348a

348b

348c

348d

346b

340

343a

343b

342a

342b

344a

344b

345a

345b

300

299

346b

FIELD OF
VIEW IN
OBJECT
SPACE

FIG. 17

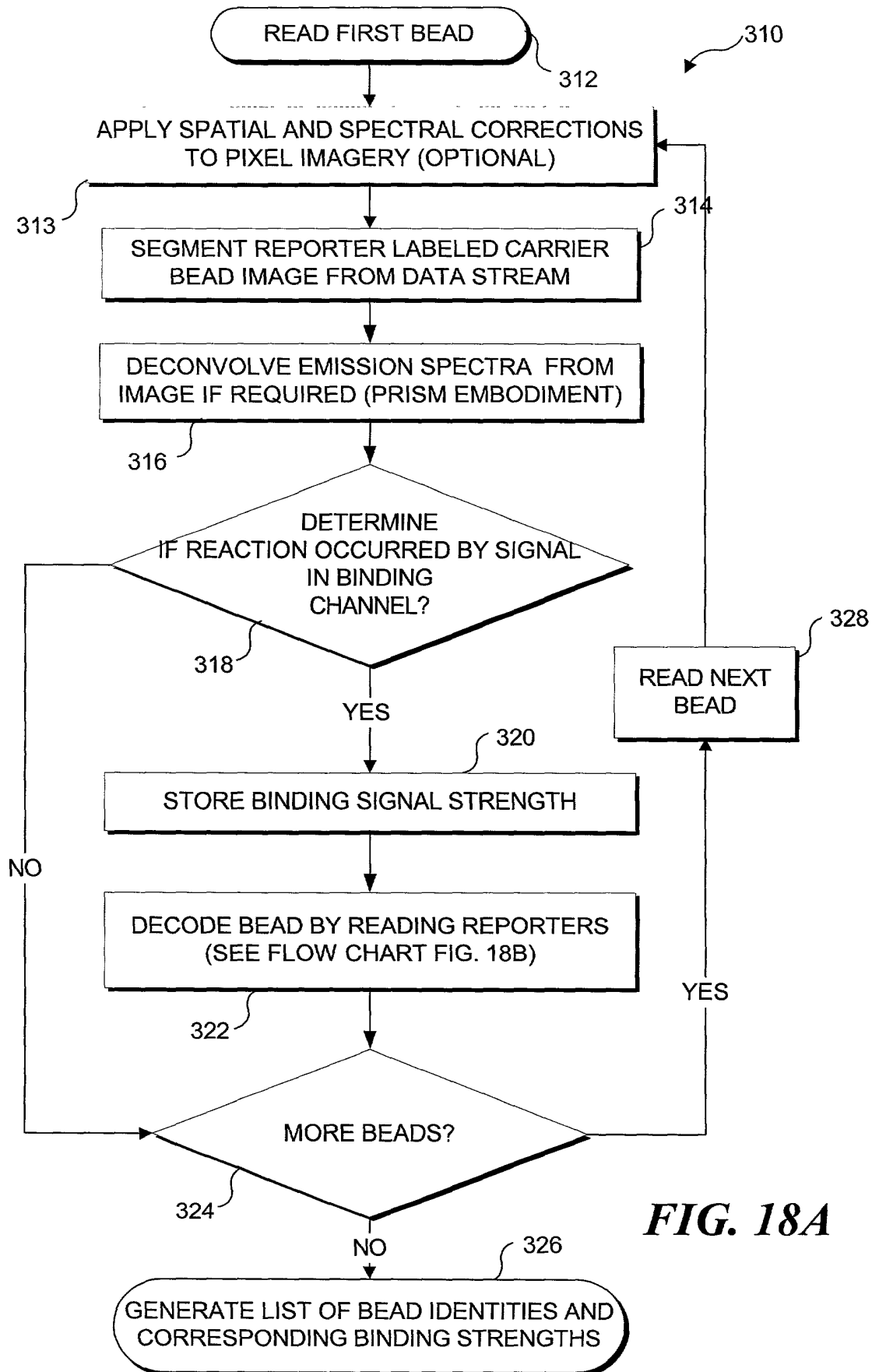


FIG. 18A